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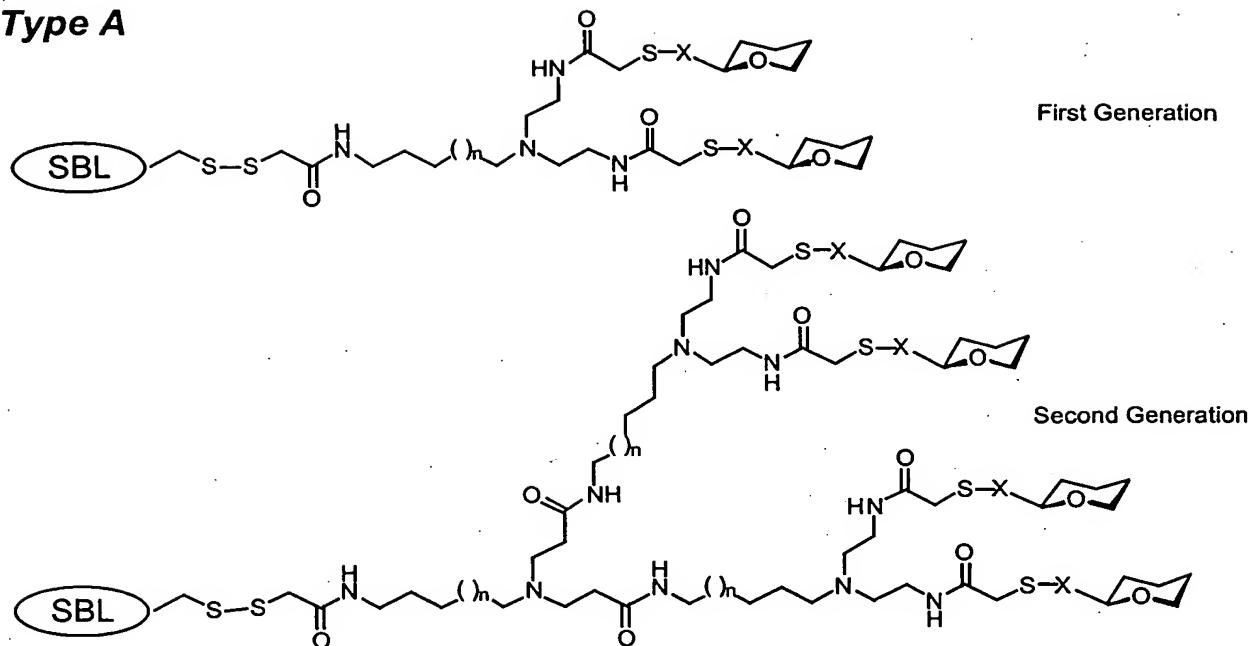
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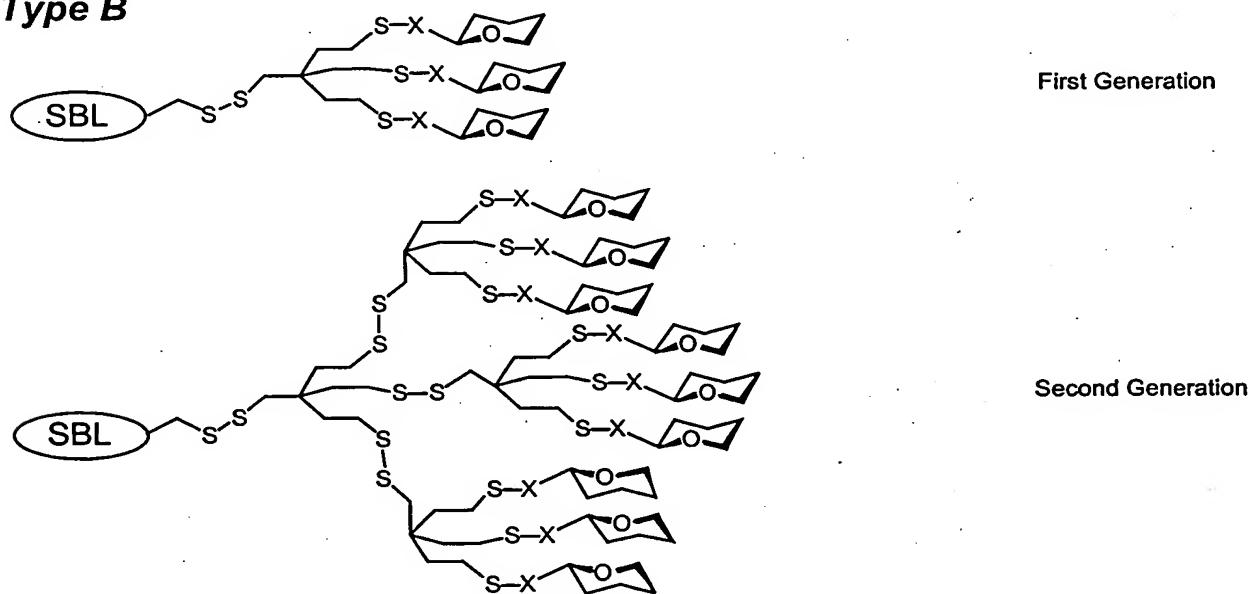
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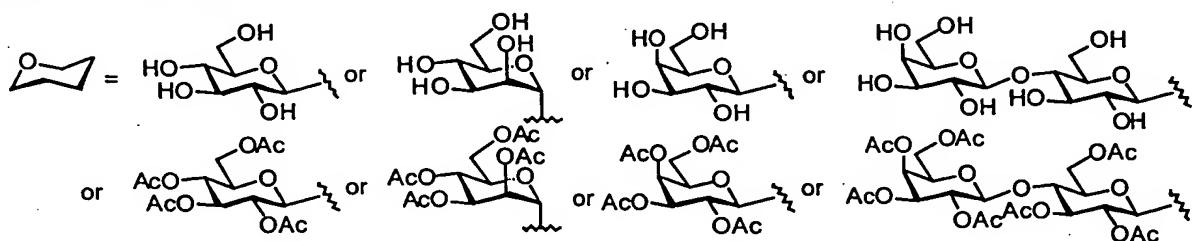
Type A



Type B



where X = S or S(CH₂)_mO



or other carbohydrates

Fig. 1

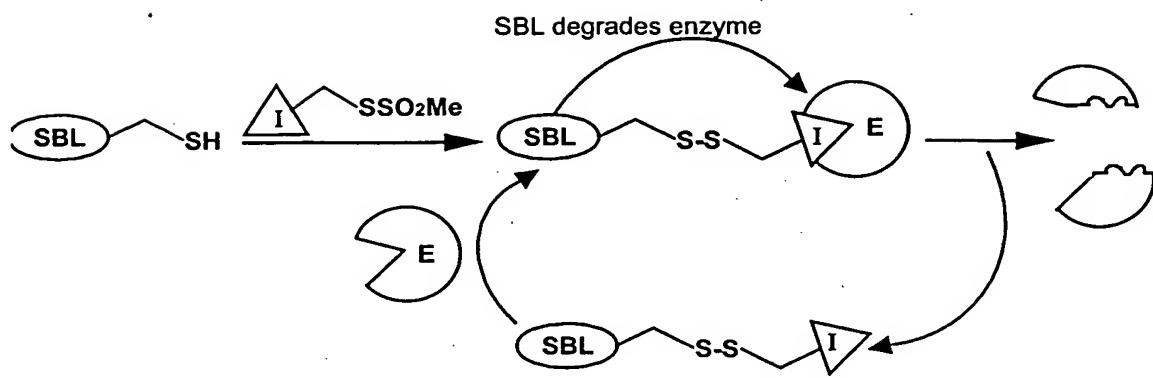


Fig. 2

Scheme 11

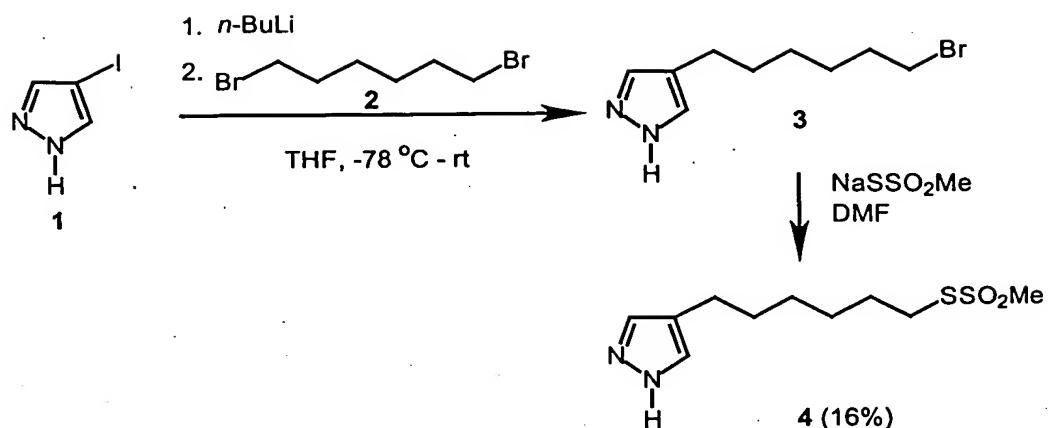


Fig. 3

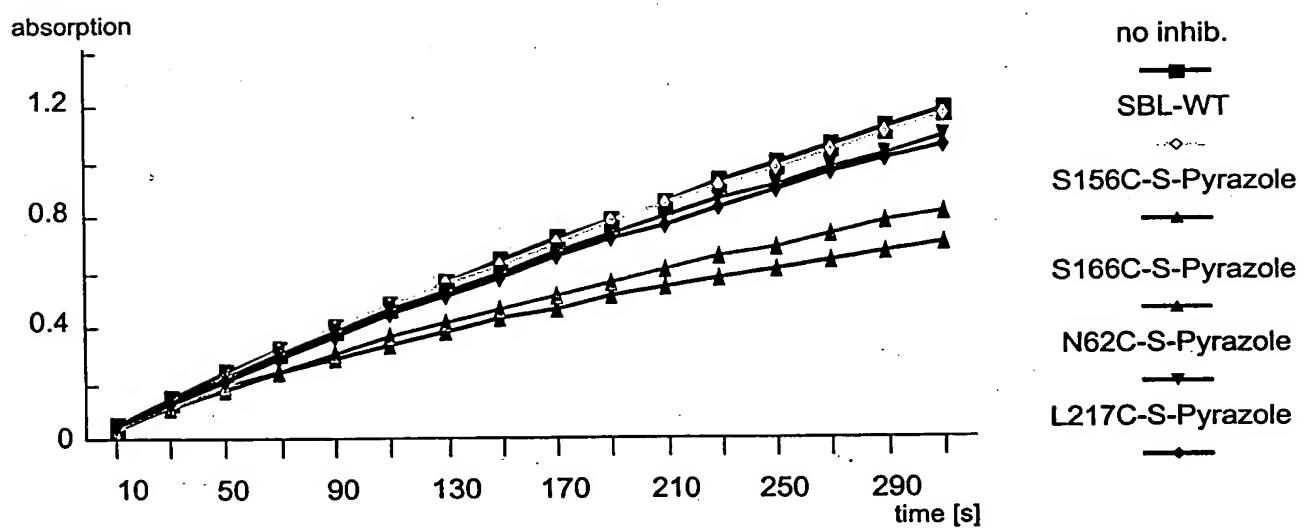


Fig. 4

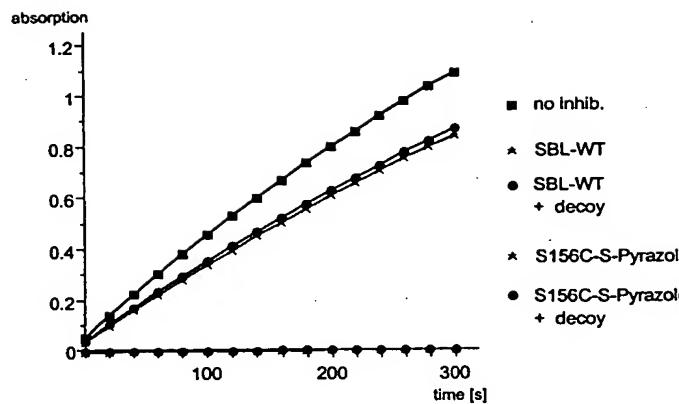


Fig. 5A

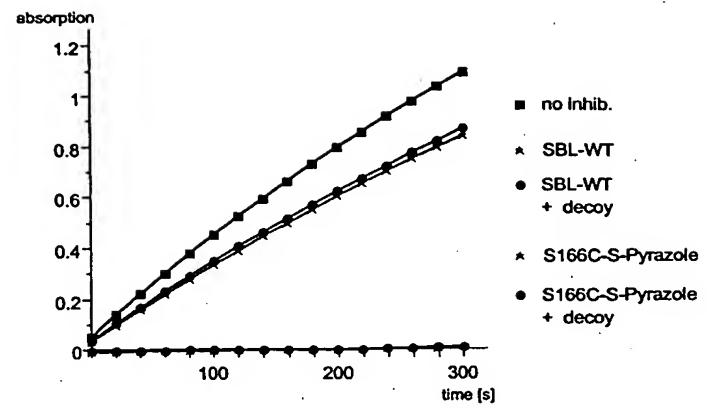


Fig. 5B

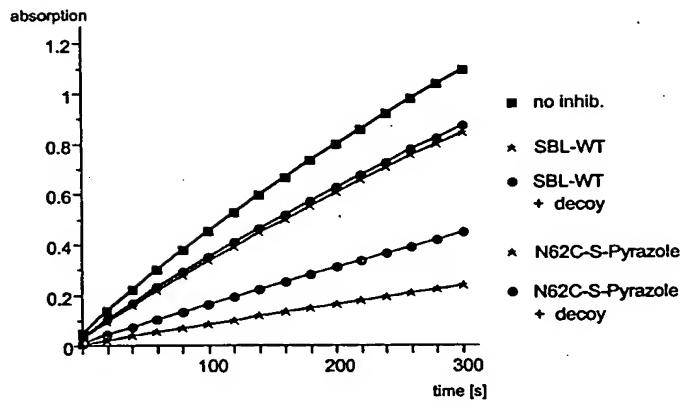


Fig. 5C

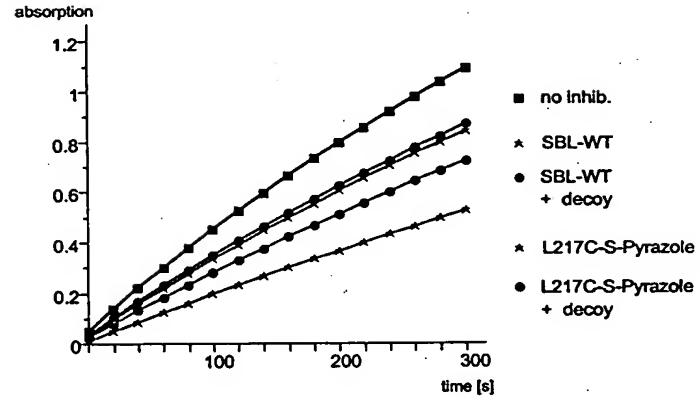


Fig. 5D

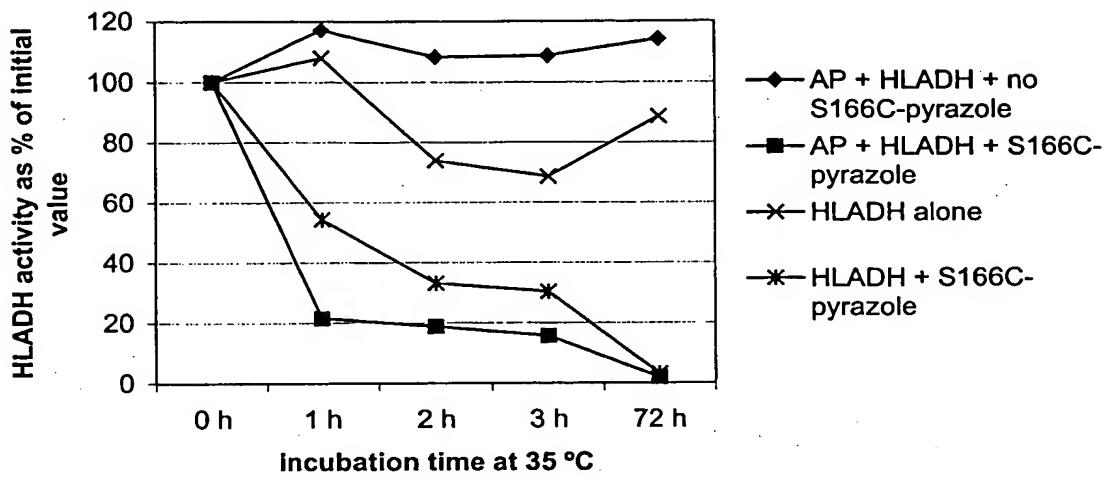


Fig. 6

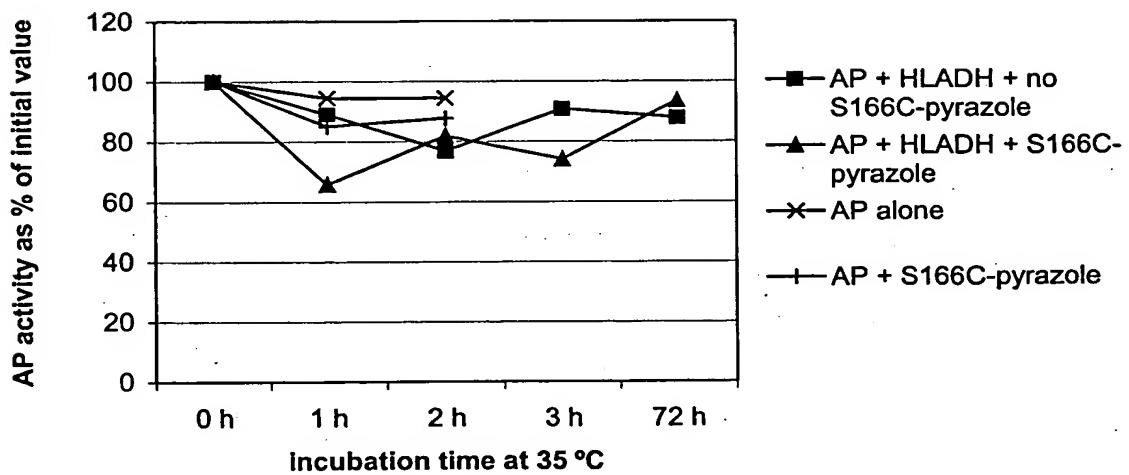


Fig. 7

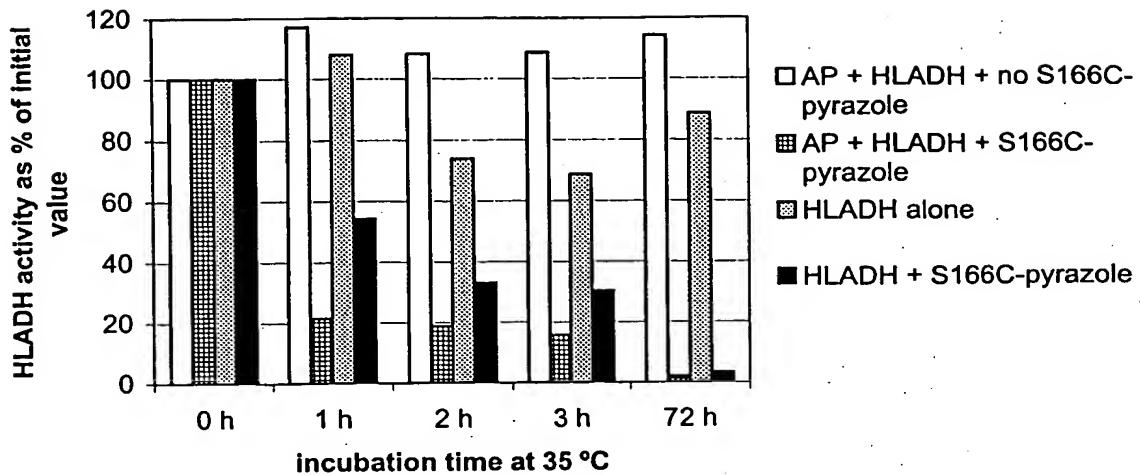


Fig. 8

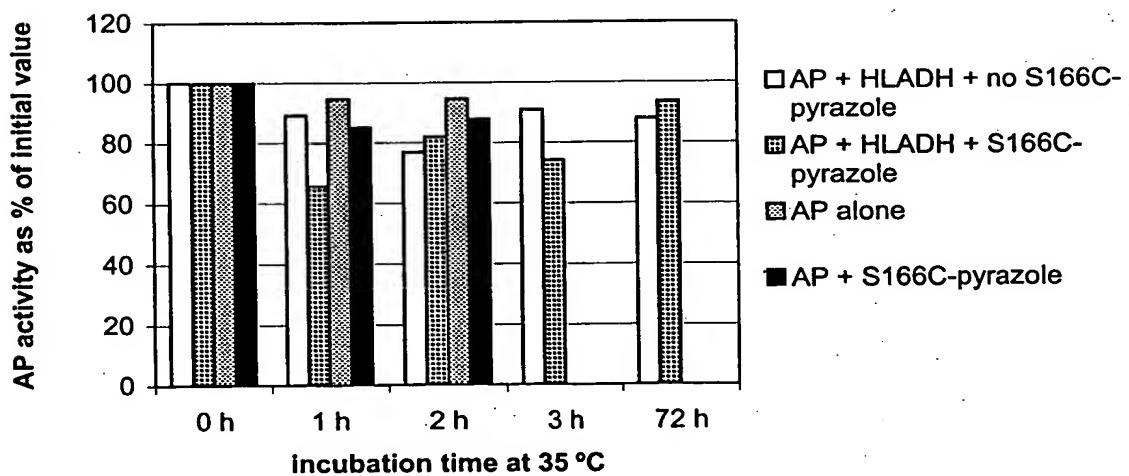


Fig. 9

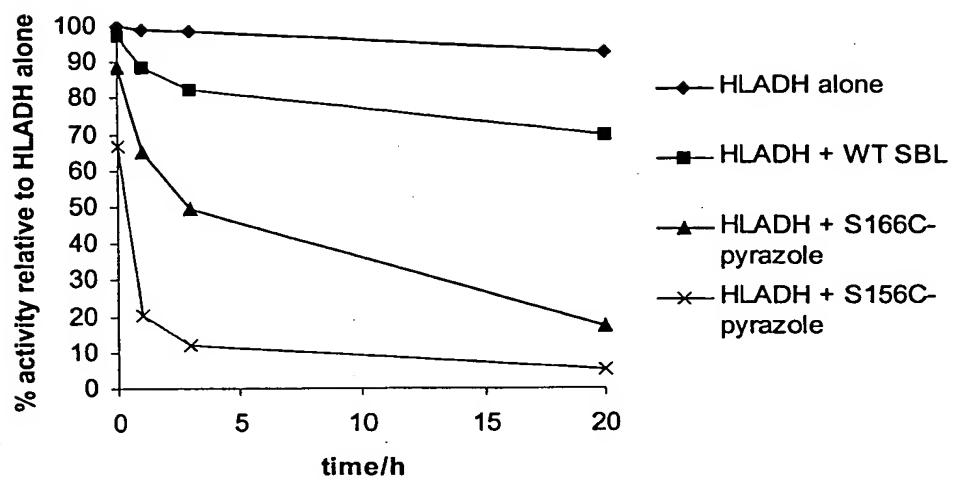


Fig. 10

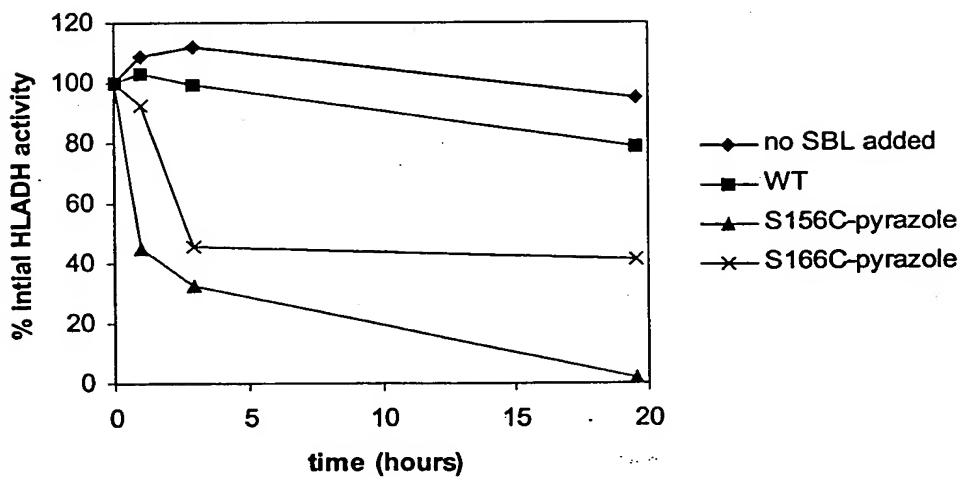


Fig. 11

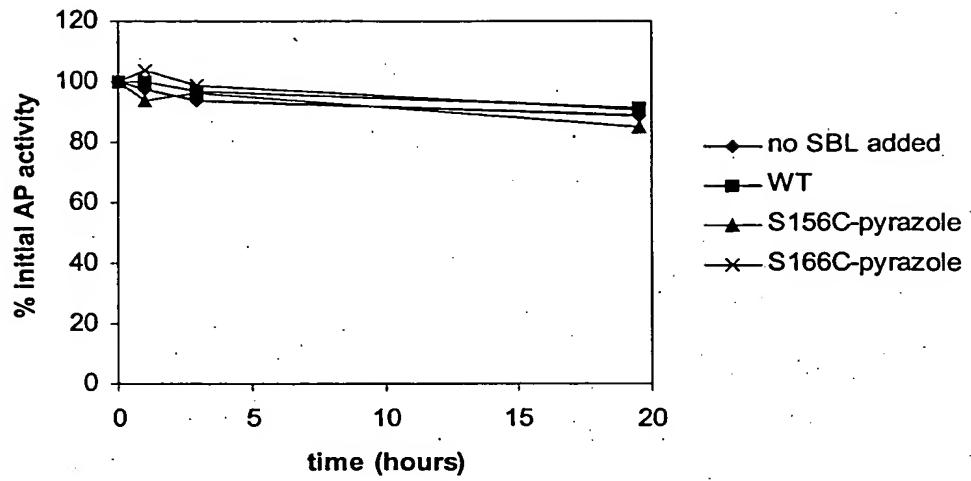


Fig. 12

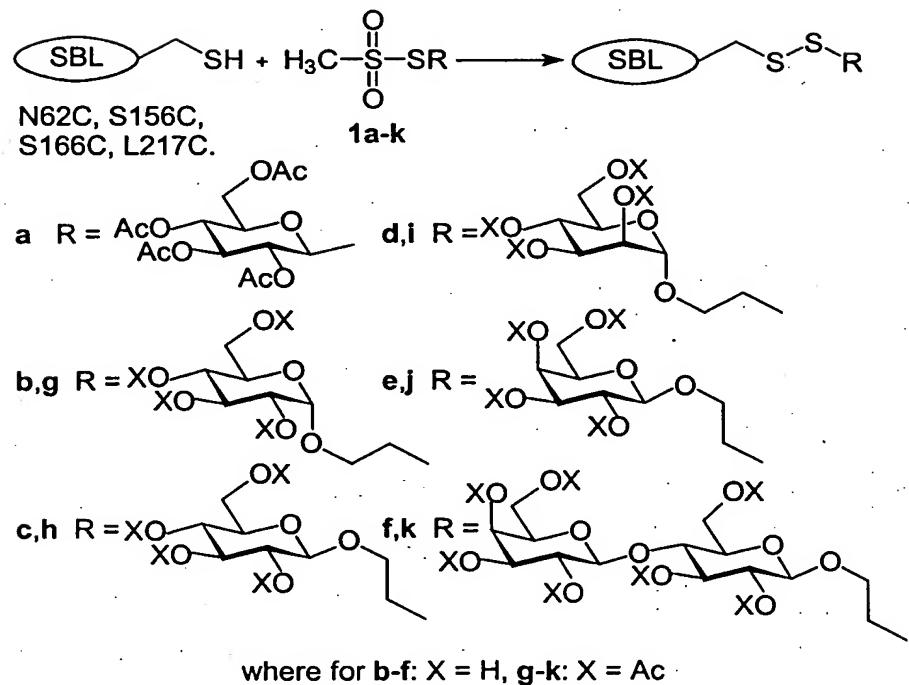


Fig. 13

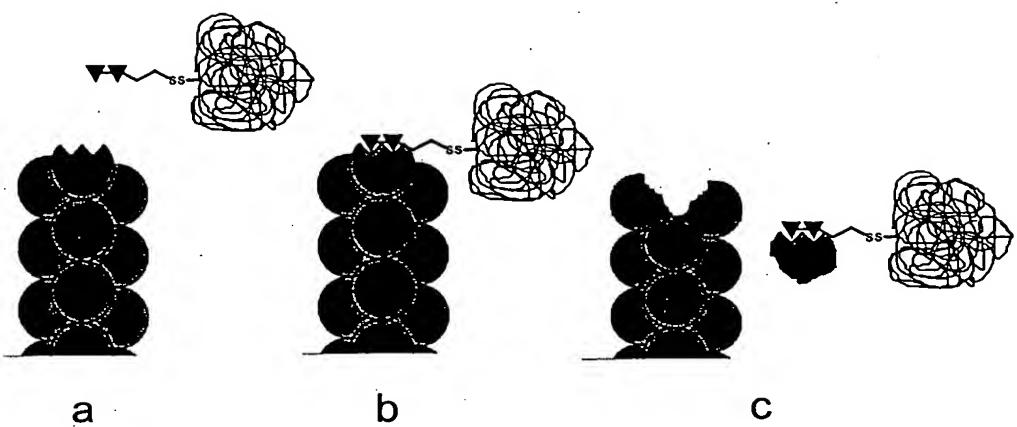


Fig. 14A

Fig. 14B

Fig. 14C

Fig. 15A

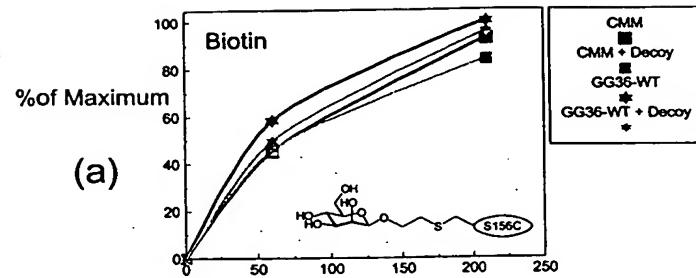


Fig. 15B

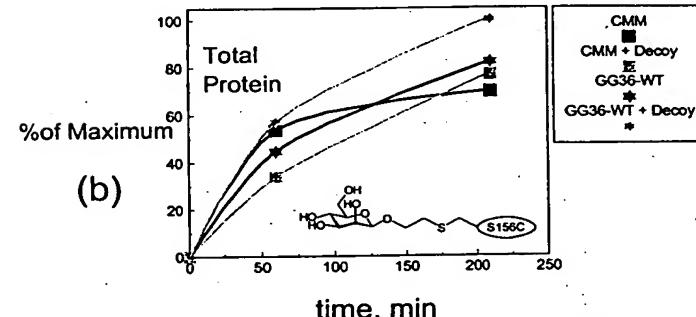


Fig. 15C

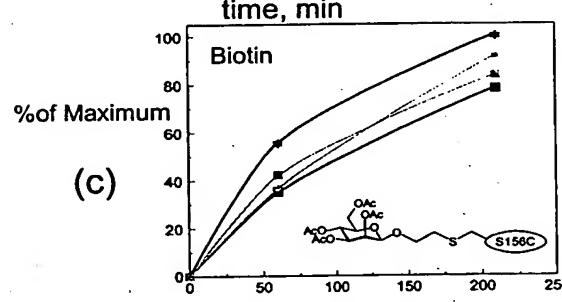
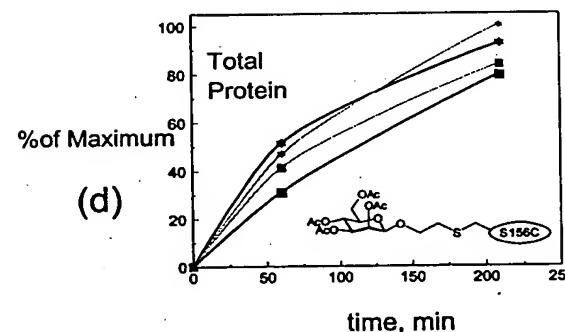


Fig. 15D



Scheme 7:

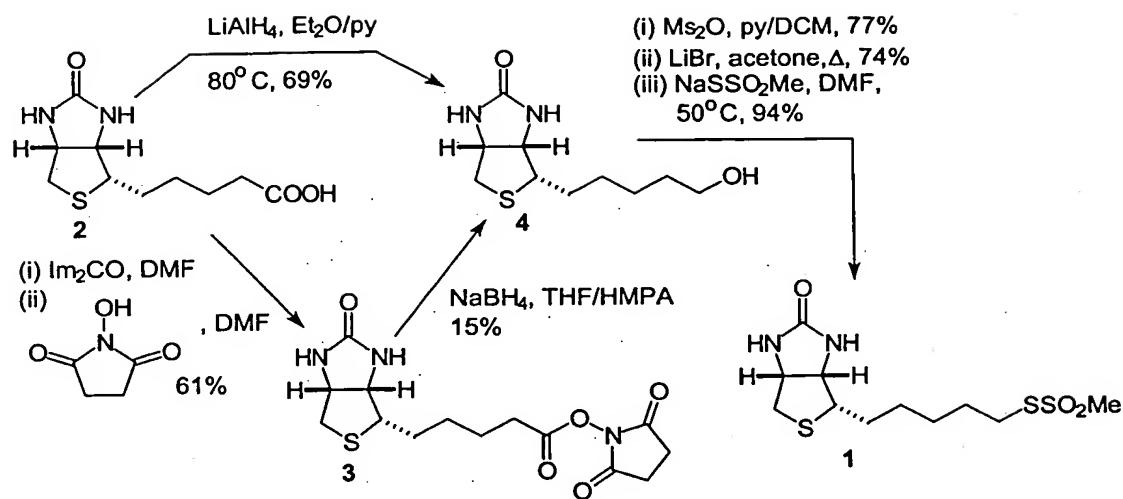


Fig. 16

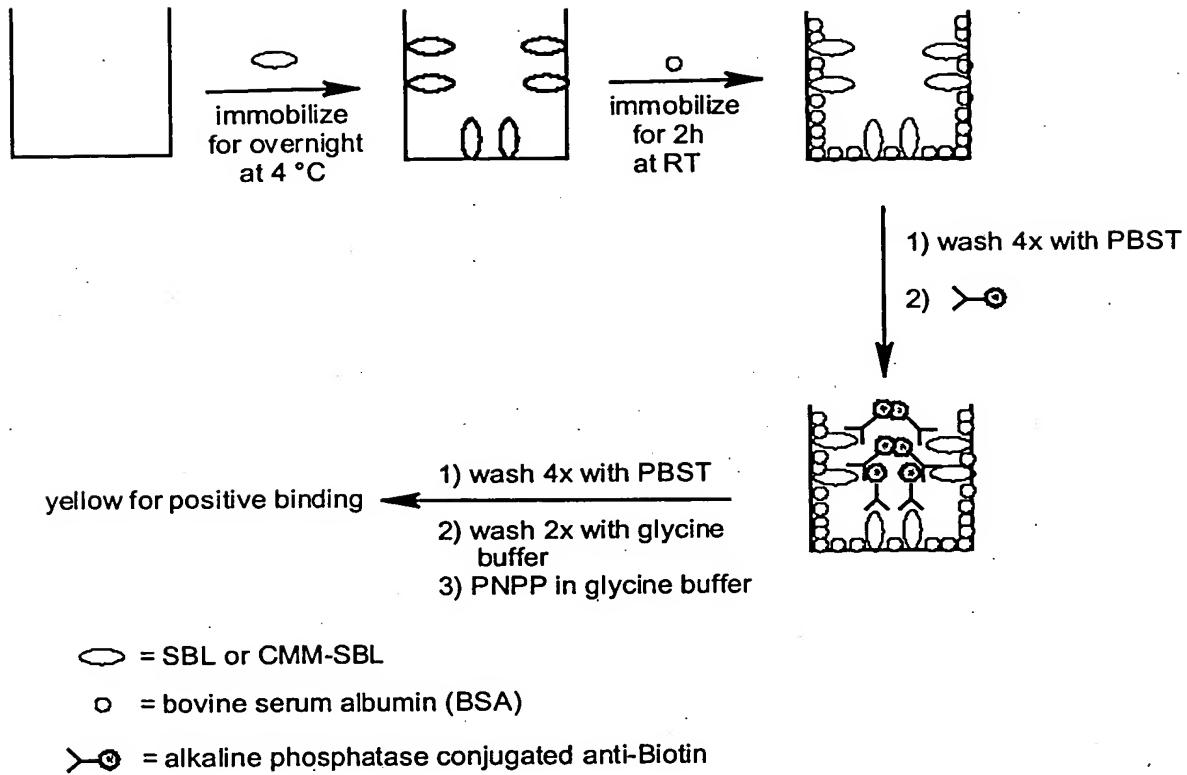


Fig. 17

	WT		N62		S156		S166		L217		control	
	1	2	3	4	5	6	7	8	9	10	11	12
A	○	○	○	○	○	○	○	○	○	○	○	○
B	○	○	○	○	○	○	○	○	○	○	○	○
C	○	○	○	○	○	○	○	○	○	○	○	○
D	○	○	○	○	○	○	○	○	○	○	○	○
E	○	○	○	○	○	○	○	○	○	○	○	○
F	○	○	○	○	○	○	○	○	○	○	○	○
G	○	○	○	○	○	○	○	○	○	○	○	○
H	○	○	○	○	○	○	○	○	○	○	○	○

PMSF

Fig. 18

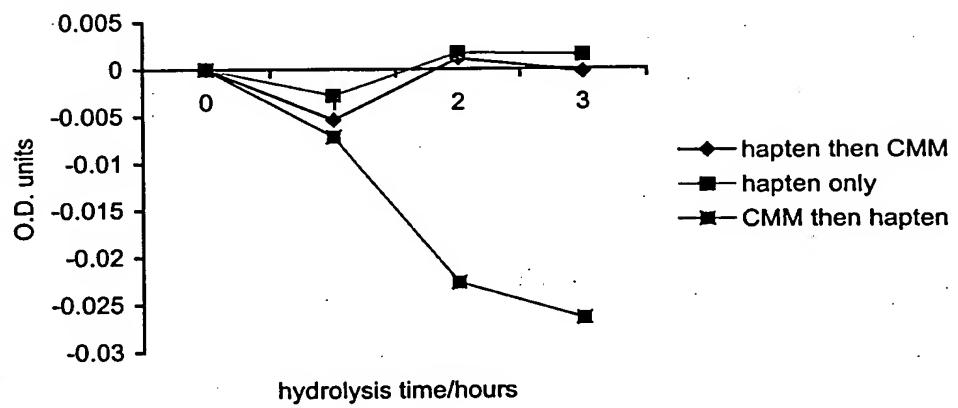


Fig. 19